

(FILE 'HOME' ENTERED AT 12:05:10 ON 13 JAN 2004)

FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 12:05:21 ON 13 JAN 2004

L1 841 S KARUBE I?/AU
L2 1968 S SAITOH T?/AU
L3 312 S (L1 OR L2) AND (MEMBRANE)
L4 6 S L3 AND (LASER OR PHOTOSENSITI? OR PORPHYRIN OR THIPHENE OR M
L5 65629 S CELL(S) (PERFORAT? OR HOLE? OR POER? OR PERMEABILI?)
L6 919 S L5 AND (LASER OR PHOTOSENSITI? OR PORPHYRIN OR THIOPHENE OR
L7 580 S L6 NOT PY>=2000
L8 402 DUP REM L7 (178 DUPLICATES REMOVED)
L9 1 S L8 AND ("MEMBRANE PERMABILITY" OR "MEMBRANE DISRUPTION" OR "
L10 59455 S "MEMBRANE DISRUPTION" OR "MEMBRANE PERMEABILITY" OR "MEMBRANE
L11 37136 S L5 AND L10
L12 410 S L11 AND (LASER OR PHOTOSENSITI? OR "CHEMICAL ENERGY" OR SONIC
L13 260 S L12 NOT PY>=2000
L14 220 DUP REM L13 (40 DUPLICATES REMOVED)
L15 222913 S LASER OR "LIGHT ENERGY" OR "CHEMICAL ENERGY" OR "ELECTRICAL E
L16 288 S L5 AND L10 AND L15
L17 172 S L16 NOT PY>=2000
L18 146 DUP REM L17 (26 DUPLICATES REMOVED)
L19 97211 S (COMPOUND# OR AGENT#) (8A) (ACTIVAT? OR STIMULAT?)
L20 0 S L19 AND L10 AND L15
L21 385 S L19 AND L10
L22 287 S L21 NOT PY>=2000
L23 239 DUP REM L22 (48 DUPLICATES REMOVED)
L24 0 S L23 AND ("GENE TRANSFER" OR "TRANSFER GENE")
L25 4 S (L3 OR L8 OR L14 OR L18) AND "GENE TRANSFER"

L Number	Hits	Search Text	DB	Time stamp
1	405752	membrane\$ or ((lipid)WITH(bilayer))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:37
2	2502385	perforat\$ or hole\$1 or pore\$1 or permeabili\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:50
3	102488	(laser or light or wavelength)SAME (photosensiti\$ or porphyrin or thiphenes or terthiophene)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:40
4	123611	(membrane\$ or ((lipid)WITH(bilayer))) and (perforat\$ or hole\$1 or pore\$1 or permeabili\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:41
5	1941	((membrane\$ or ((lipid)WITH(bilayer))) and (perforat\$ or hole\$1 or pore\$1 or permeabili\$)) and ((laser or light or wavelength)SAME (photosensiti\$ or porphyrin or thiphenes or terthiophene))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:43
6	1929616	DNA or nucleic acid	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:43
7	6242371	s (((membrane\$ or ((lipid)WITH(bilayer))) and (perforat\$ or hole\$1 or pore\$1 or permeabili\$)) and ((laser or light or wavelength)SAME (photosensiti\$ or porphyrin or thiphenes or terthiophene))) and (DNA or nucleic acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:45
8	0	membrane WITH denautring	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:45
9	17621	membrane same (denaturing or disrupt\$ or perforat\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:46
10	13682	(membrane same (denaturing or disrupt\$ or perforat\$)) and (energy or light energy or electrical energy or chemical energy)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:46
11	11346	((membrane same (denaturing or disrupt\$ or perforat\$)) and (energy or light energy or electrical energy or chemical energy)) and (gene transfer or DNA transfer or nucleic acid transfer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:48
12	3315	((membrane same (denaturing or disrupt\$ or perforat\$)) and (energy or light energy or electrical energy or chemical energy)) and (gene transfer or DNA transfer or nucleic acid transfer)) and sonication	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:48
15	8378	merocyanin\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:49
17	41152	cell WITH (perforat\$ or hole\$1 or pore\$1 or permeabili\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:53
18	80	merocyanin\$ and (cell WITH (perforat\$ or hole\$1 or pore\$1 or permeabili\$))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:51
21	14250	(cell WITH (perforat\$ or hole\$1 or pore\$1 or permeabili\$)) and (light or photosensitiz\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/13 11:54

24	401	((cell WITH (perforat\$ or hole\$1 or pore\$1 or permeabili\$)) and (light or photosensitiz\$)) and "membrane permeability"	USPAT	2004/01/13 11:55
23	33	((cell WITH (perforat\$ or hole\$1 or pore\$1 or permeabili\$)) and (light or photosensitiz\$)) and "membrane disruption"	USPAT	2004/01/13 11:56
26	1	((cell WITH (perforat\$ or hole\$1 or pore\$1 or permeabili\$)) and (light or photosensitiz\$)) and "membrane denaturing"	USPAT	2004/01/13 11:56
27	46	((cell WITH (perforat\$ or hole\$1 or pore\$1 or permeabili\$)) and (light or photosensitiz\$)) and merocyanin\$	USPAT	2004/01/13 11:57
28	626	((cell WITH (perforat\$ or hole\$1 or pore\$1 or permeabili\$)) and (light or photosensitiz\$)) and ("gene transfer" or "transfer gene")	USPAT	2004/01/13 11:59
29	1811	((435/173.5 435/449 435/455)!.ccls.)	USPAT	2004/01/13 12:01
30	154	((435/173.5 435/449 435/455)!.ccls.) and ((cell WITH (perforat\$ or hole\$1 or pore\$1 or permeabili\$)) and (light or photosensitiz\$))	USPAT	2004/01/13 12:01
31	128	((darube-isao karube-I saitoh-takashi saitoh-takashi-c-2004-01-kenkyus saitoh-ta	USPAT US-PGPUB; EPO; JPO; DERWENT	2004/01/13 12:03